G 6898

(Pages : 2)

Reg. No.............2.................

Name...............................

B.TECH. DEGREE EXAMINATION, APRIL 2011

Sixth Semester

Branch : Computer Science and Engineering/Information Technology

COMPUTER NETWORKS (R, T)

(Regular/Improvement/Supplementary)

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*
Each question carries 4 marks.

1. List out network hardwares.

2. Define geostationary satellites.

3. What are LAN protocols ? Explain.

4. Explain CSMA/CD.

5. Explain flooding.

6. Explain congestion prevention policies.

7. Define UDP and TCP.

8. List out the elements of transport protocols.

9. Explain "MIME".

10. Discuss Network topology.

(10 × 4 = 40 marks)

Part B

Answer **all** *questions.*
Each question carries 12 marks.

11. Draw the architecture of ISO/OSI reference model. Explain the function of each layer.

Or

12. Define ISDN and explain ISDN system Architecture.

(12 marks)

13. Discuss design issues in datalink layer.

Or

14. Explain any one multiple access protocols.

(12 marks)

Turn over

15. Explain in detail "Routing algorithm".

Or

16. Explain leaky bucket algorithm and flow specification.

(12 marks)

17. Explain the function of transport layer and elements of transport protocols.

Or

18. Explain ATM architecture.

(12 marks)

19. Write notes on :   (6 marks)
    (a) DNS name space.   (6 marks)
    (b) Mobile telephone system.

Or

20. Explain the following :—   (6 marks)
    (i)   Piconet and scatternet.
    (ii) Electronic mail.   (6 marks)

[5 × 12 = 60 marks]